



09/786024*
10 Rev PCT/TO 09 JUL 2001

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Zhao, Yong
Zhang, Honglai
Bi, Anding

<120> A NOVEL HUMAN LYSOZYME GENE, ITS ENCODED
POLYPEPTIDE AND THE METHOD FOR PREPARING THEM

<130> A34054-PCT-USA 072975.0110

<140> 09/786,024

<141> 1999-08-30

<150> CN 98111041.X

<151> 1998-08-31

<160> 12

<170> FastSEQ for Windows Version 4.0

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<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Oligonucleotide primer

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23

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23

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<213> Human

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<222> (81)...(521)

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cggtggtgcc agctgggatc atg ttg ttg gcc ctg gtc tgt ctg ctc agc tgc 113

Met Leu Leu Ala Leu Val Cys Leu Leu Ser Cys

1

5

10

ctg cta ccc tcc agt gag gcc aag ctc tac ggt cgt tgt gaa ctg gcc 161

Leu Leu Pro Ser Ser Glu Ala Lys Leu Tyr Gly Arg Cys Glu Leu Ala

15

20

25

aga gtg cta cat gac ttc ggg ctg gac gga tac cgg gga tac agc ctg 209

Arg Val Leu His Asp Phe Gly Leu Asp Gly Tyr Arg Gly Tyr Ser Leu

30

35

40

gct gac tgg gtc tgc ctt gct tat ttc aca agc ggt ttc aac gca gct 257

Ala Asp Trp Val Cys Leu Ala Tyr Phe Thr Ser Gly Phe Asn Ala Ala

45

50

55

gct ttg gac tac gag gct gat ggg agc acc aac aac ggg atc ttc cag 305

Ala Leu Asp Tyr Glu Ala Asp Gly Ser Thr Asn Asn Gly Ile Phe Gln

60

65

70

75

atc aac agc cgg agg tgg tgc agc aac ctc acc ccg aac gtc ccc aac 353

Ile Asn Ser Arg Arg Trp Cys Ser Asn Leu Thr Pro Asn Val Pro Asn

80

85

90

gtg tgc cgg atg tac tgc tca gat ttg ttg aat cct aat ctc aag gat 401

Val Cys Arg Met Tyr Cys Ser Asp Leu Leu Asn Pro Asn Leu Lys Asp

95

100

105

acc gtt atc tgt gcc atg aag ata acc caa gag cct cag ggt ctg ggt 449

Thr Val Ile Cys Ala Met Lys Ile Thr Gln Glu Pro Gln Gly Leu Gly

110

115

120

tac tgg gag gcc tgg agg cat cac tgc cag gga aaa gac ctc act gaa 497

Tyr Trp Glu Ala Trp Arg His His Cys Gln Gly Lys Asp Leu Thr Glu

125

130

135

tgg gtg gat ggc tgt gac ttc tag gatggacgga accatgcaca gca 544

Trp Val Asp Gly Cys Asp Phe *

140

145

<210> 4

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<212> PRT

<213> Human

<400> 4

Met Leu Leu Ala Leu Val Cys Leu Leu Ser Cys Leu Leu Pro Ser Ser

1

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Glu Ala Lys Leu Tyr Gly Arg Cys Glu Leu Ala Arg Val Leu His Asp

20

25

30

Phe Gly Leu Asp Gly Tyr Arg Gly Tyr Ser Leu Ala Asp Trp Val Cys

35

40

45

Leu Ala Tyr Phe Thr Ser Gly Phe Asn Ala Ala Ala Leu Asp Tyr Glu

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55

60

Ala Asp Gly Ser Thr Asn Asn Gly Ile Phe Gln Ile Asn Ser Arg Arg

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70

75

80

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<223> Oligonucleotide primer
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29

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<213> Trachypithecus francoisi

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Leu Gly Leu Asp Gly Tyr Lys Gly Val Ser Leu Ala Asn Trp Val Cys
35 40 45
Leu Ala Lys Trp Glu Ser Gly Tyr Asn Thr Glu Ala Thr Asn Tyr Asn
50 55 60
Pro Gly Asp Glu Ser Thr Asp Tyr Gly Ile Phe Gln Ile Asn Ser Arg
65 70 75 80
Tyr Trp Cys Asn Asn Gly Lys Thr Pro Gly Ala Val Asp Ala Cys His
85 90 95
Ile Ser Cys Ser Ala Leu Leu Gln Asn Asn Ile Ala Asp Ala Val Ala
100 105 110
Cys Ala Lys Arg Val Val Ser Asp Pro Gln Gly Ile Arg Ala Trp Val
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Gly Cys Gly Val
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<210> 12

<211> 147

<212> PRT

<213> Ring-necked pheasant

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20 25 30
Met Gly Leu Asp Asn Tyr Arg Gly Tyr Ser Leu Gly Asn Trp Val Cys
35 40 45
Ala Ala Lys Phe Glu Ser Asn Phe Asn Thr Gly Ala Thr Asn Arg Asn
50 55 60
Thr Asp Gly Ser Thr Asp Tyr Gly Ile Leu Gln Ile Asn Ser Arg Trp
65 70 75 80
Trp Cys Asn Asp Gly Arg Thr Pro Gly Ser Lys Asn Leu Cys His Ile
85 90 95
Pro Cys Ser Ala Leu Leu Ser Ser Asp Ile Thr Ala Ser Val Asn Cys
100 105 110
Ala Lys Lys Ile Val Ser Asp Gly Asn Gly Met Asn Ala Trp Val Ala
115 120 125
Trp Arg Lys His Cys Lys Gly Thr Asp Val Asn Val Trp Ile Arg Gly
130 135 140
Cys Arg Leu
145